



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB DB3188L-5
Job Sheet 184749



Part No: RB DB3188L-5

Job Qty: ~~6 ea~~ 7 ea

Part Name: Drain Hose Adapter



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/16/18

Job Tracking No:

Due Date: 11/14/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RB DB3188L Rev 6A IPP Rev A 18.02.23 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	6 Ea	11/14/18	11/14/18	0.00	0.00	Start Up Machining-2		JB 18-12-12
110	CNC Lathe	6 pcs	11/14/18	11/14/18	0.00	1.50	MORI SL-154		18/12/14
120	QC	6 pcs	11/14/18	11/14/18	0.00	0.00	QC2 Machining-4		18/12/14
130	QC	6 pcs	11/14/18	11/14/18	0.00	0.00	QC8 Machining-4		18/12/17
150	Outsource	6 pcs	11/14/18	11/14/18	0.00	0.00	Outsource4		18-12-17
160	Packaging	6 pcs	11/14/18	11/14/18	0.00	0.00	Packaging2		DEC 18 2018
170	QC	6 pcs	11/14/18	11/14/18	0.00	0.00	QC6		61
180	Packaging	6 pcs	11/14/18	11/14/18	0.00	0.00	Packaging3-1		DEC 20 2018
190	QC21-SA	6 Ea	11/14/18	11/14/18	0.00	0.00	QC21		21

Part Op 110 - 1-Machine as per DWG. FE 474 FOLIO REV: _____ DWG REV: _____ 2-Deburr
Descriptions: 120 - Engrave T/N and/or P/N number using Marktronic engraver as per DWG.
150 - Issue P/O to ATG: PO 042052 -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required

Grain filter

GA075

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6B0.625X00.625 M6061T6R1.000	6061T6 Bar 0.625 X 0.625	.9900 ft (.165 ea)	90-Start up Operation	S127980

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M6061T6B0.625X00.625	1	0	0

Part Specifications

Id not be found.

Plex 10/16/18 1:55 PM Dart.lajeunesse.marie



Container No: S137463



Part: RB DB3188L-5

Job No: 184749

Serial No/Batch: S137463

Revision: 6A

Inspector:

Exp Date:

Instructions:

Date: 12/12/18

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

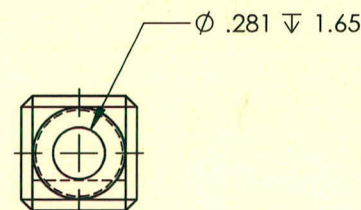
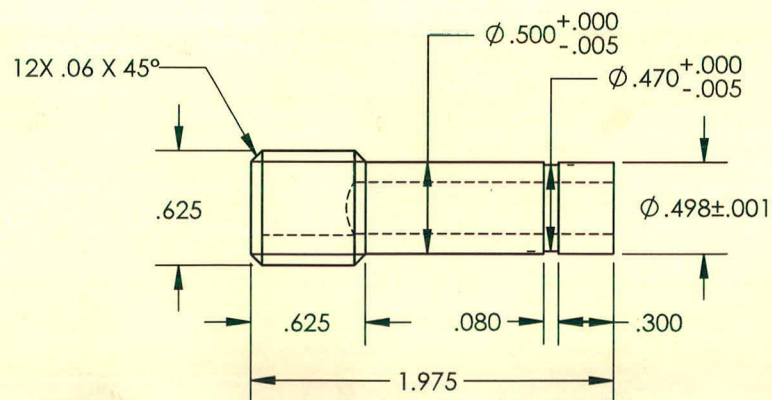
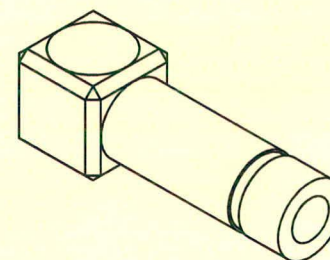
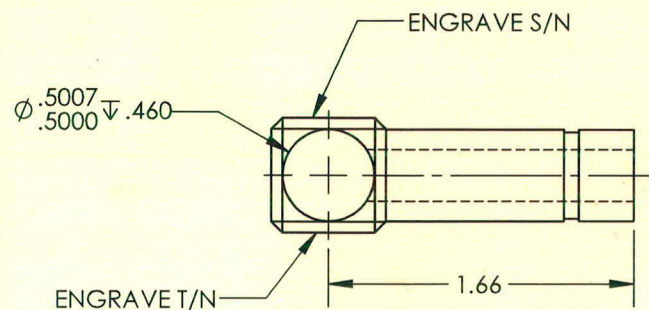
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																																						
Large Fab ☐	Composite ☐	Supplier ☐																																																																							
Date :		Step #:		QTY Effective :		MRB (QSI042) Approval																																																																			
Description Work Order Deviation				Disposition																																																																					
				Completed By _____																																																																					
				Lead hand / Supervisor Approval Verification _____																																																																					
				QC / QA Coordinator Approval _____																																																																					
Root Cause <table style="width:100%;"> <tr> <td>Environment ☐</td> <td>No Re-verification ☐</td> <td>Pressure/Forced ☐</td> </tr> <tr> <td>Design ☐</td> <td>Operator ☐</td> <td>Bending ☐</td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> <td>Centre Not Concentric ☐</td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> <td>Cracks ☐</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> <td>Crimp/Kink/Ripple/Wave ☐</td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> <td>Cuffs ☐</td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> <td>Crushing ☐</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> <td>Heat Treat ☐</td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> <td>Wave/Twist in Tube ☐</td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> <td>Marks/Chatter ☐</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> <td></td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> <td>OTHER : _____</td> </tr> </table>				Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Design ☐	Operator ☐	Bending ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Past Expiry Date ☐	Manufacturing Process ☐		Misidentified ☐	Past Due ☐	OTHER : _____	FAULT CATEGORY <table style="width:100%;"> <tr> <td>Temperature/Cure ☐</td> <td>Power Loss/Surge ☐</td> <td>Positioned Wrong ☐</td> </tr> <tr> <td>Set-up ☐</td> <td>Folio/Program ☐</td> <td>Outside Dimensions ☐</td> </tr> <tr> <td>BOM/Route ☐</td> <td>Grain ☐</td> <td>Over/Under tolerance ☐</td> </tr> <tr> <td>Broken/Damage/Defect ☐</td> <td>Weld ☐</td> <td>Part Incorrect ☐</td> </tr> <tr> <td>Inspection Incomplete/Unqualified ☐</td> <td>Wrong Stock Pulled ☐</td> <td>Part Lost/Missing ☐</td> </tr> <tr> <td>Contamination ☐</td> <td>Out of Sequence ☐</td> <td>Part Moved ☐</td> </tr> <tr> <td>Countersink ☐</td> <td>Off-set ☐</td> <td>Drawing ☐</td> </tr> <tr> <td>Cut Too Short ☐</td> <td>Mislabeled ☐</td> <td>Finish ☐</td> </tr> <tr> <td>Instructions Incomplete/Unclear ☐</td> <td>Fit/Function ☐</td> <td>Misread ☐</td> </tr> <tr> <td>Drill Holes ☐</td> <td>Misaligned/off center ☐</td> <td>Turning Sequence ☐</td> </tr> </table>				Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Countersink ☐	Off-set ☐	Drawing ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Environment ☐	No Re-verification ☐	Pressure/Forced ☐																																																																							
Design ☐	Operator ☐	Bending ☐																																																																							
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐																																																																							
Equip/Tooling ☐	Supplier ☐	Cracks ☐																																																																							
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐																																																																							
Material ☐	Use for Testing ☐	Cuffs ☐																																																																							
Internal Transport ☐	Poor Information ☐	Crushing ☐																																																																							
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐																																																																							
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐																																																																							
Substation ☐	Process Improvement ☐	Marks/Chatter ☐																																																																							
Past Expiry Date ☐	Manufacturing Process ☐																																																																								
Misidentified ☐	Past Due ☐	OTHER : _____																																																																							
Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																							
Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																							
BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																							
Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																							
Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																							
Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																							
Countersink ☐	Off-set ☐	Drawing ☐																																																																							
Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																							
Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																							
Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																							

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	O.D. ON STEPS OF -5 INCREASED FROM Ø.400 TO Ø.425 TO BETTER GRIP TUBING.	8/13/2004	-	-
6	INCREASED LENGTH FROM 1.437 TO 1.975, REMOVED BARB, ADDED GROOVE.	7/26/2012	JAG	



(-5)
HOSE END

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 184749 M/S
18-10-16

 RED BARN MACHINE	
TITLE TRANSMISSION DRAIN TOOL	
DWG NO. RB DB3188L-5	REV 6A
MAT'L 6061 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	DRAWN BY: D ROBERTS APPROVED <i>D Weid</i> HEAT TREAT FINISH RED ANODIZE SPEC. MIL-A-8625F, TYPE II, CLASS USED ON MODEL SEE SHT 1
SCALE 1:1	DATE 4/15/2002
SHEET 4 OF 4	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042057**

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO042057
PO Date: 12/17/18
Due Date: 12/21/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, Chrisoula

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 60

Freight Terms:
Special Comments:

revised
-cls qty. signed
PO behnd.

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	187448	RBH9928-2	Trim Tab Bender -Issue P/O : PO ***ENSURE TO SHIP BOTH PARTS*** -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	12/21/18	10 pcs	0 pcs	10 pcs	\$9.25/pcs	\$92.50
2	184749	RB DB3188L-5	Drain Hose Adapter -Issue P/O : PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	12/21/18	7 pcs	0 pcs	7 pcs	\$1.25/pcs	\$8.75
3	186433	RBW7839-2G-1	Quill -Issue P/O : PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	12/21/18	8 pcs	0 pcs	8 pcs	\$1.25/pcs	\$10.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042057**

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	185789	RB DB3188L-1	Drain Hose Adapter -Issue P/O to ATG : PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	12/21/18	9 pcs	0 pcs	9 pcs	\$1.25/pcs	\$11.25
						9 X DEC 19 2018					
5	185158	RB T101740	Tail Rotor Blade Rigging Tool -Issue P/O to GROUPE ALTECH: PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	12/21/18	5 pcs	0 pcs	5 pcs	\$16.25/pcs	\$81.25
						5 X DEC 19 2018					
Grand Total:											\$203.75

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/19/18 9:56 AM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(015441-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

015441 - 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
19-Dec-2018		Aman		042057				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	RBH9928-2 Rev.	RBH9928-2 01-ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS 2	ANODIZE CH	10	10	0	0	0
2	RBDB3188L-5 Rev.	RBDB3188L-5 01-ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS 2	ANODIZE CH	7	7	0	0	0
3	RBW7839-2G-1 Rev.	RBW7839-2G-1 01-ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS 2	ANODIZE CH	8	8	0	0	0
4	RBDB3188L-1 Rev.	RBDB3188L-1 01-ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS 2	ANODIZE CH	9	9	0	0	0
5	RBT101740 Rev.	RBT101740 01-ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS 2	ANODIZE CH	5	5	0	0	0

DAS
61
9-89

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been processed in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

